AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS:

1-9. (Canceled).

10. (Currently Amended) A window-integrated antenna in a vehicle, comprising:

a heating conductor field provided for at least one of FM reception, TV reception, and LMS reception; [[and]]

at least one decoupling element for at least the LMS reception, the at least one decoupling element including a high-frequency and non-galvanic connection to the heating conductor field, wherein the at least one decoupling element is situated in the heating conductor field between two adjacent heating conductors;

an FM/TV choke provided in a heating circuit; and

antenna conductors situated in the heating conductor field substantially perpendicularly to the heating conductors and galvanically linked to the heating conductors;

wherein the at least one decoupling element is for the FM reception and the TV reception,

wherein the antenna conductors are designed, with regard to at least one of a length and a position thereof, so that a resonance-like behavior of the antenna occurs at a connection end of the at least one decoupling element in an FM range, and

wherein the at least one decoupling element includes at least one of a straight-line conductor, an open conductor loop, and a closed conductor loop.

11. (Currently Amended) The window-integrated antenna as recited in Claim [[10]] 22, wherein the at least one decoupling element is for the FM reception and the TV reception.

12. (Previously Presented) The window-integrated antenna as recited in Claim 11, further comprising:

an FM/TV choke provided in a heating circuit.

13. (Currently Amended) The window-integrated antenna as recited in Claim [[10]] 22, further comprising:

antenna conductors situated in the heating conductor field substantially perpendicularly to the heating conductors and galvanically linked to the heating conductors.

14. (Currently Amended) The window-integrated antenna as recited in Claim 13, wherein[[:]] the antenna conductors are designed, with regard to at least one of a length and a position thereof, ~~in such a way~~ so that a resonance-like behavior of the antenna occurs at a connection end of the at least one decoupling element in an FM range.

15. (Currently Amended) The window-integrated antenna as recited in Claim [[10]] 22, wherein the at least one decoupling element includes at least one of a straight-line conductor, an open conductor loop, and a closed conductor loop.

16. (Previously Presented) The window-integrated antenna as recited in Claim 10, wherein a grounding point for decoupling at least one of an LMS antenna signal, an FM antenna signal, and a TV antenna signal is located in a proximity of a connection end of the at least one decoupling element.

17. (Previously Presented) The window-integrated antenna as recited in Claim 10, wherein at least one further FM/TV antenna signal decoupling is provided that is galvanically linked to the heating conductor field, and to a busbar situated at a distance from a connection end of the at least one decoupling element.

18. (Previously Presented) The window-integrated antenna as recited in Claim 10, wherein a distance of the at least one decoupling element to one of the heating conductors is selected to be so close that a capacitive coupling with the heating conductor is ensured for FM/TV frequencies.

19. (Previously Presented) The window-integrated antenna as recited in Claim 18, wherein the at least one decoupling element includes one of a straight-line conductor and a conductor loop.

20. (Canceled).

21. (Currently Amended) The window-integrated antenna as recited in Claim [[20]] 10, wherein:

a grounding point for decoupling at least one of an LMS antenna signal, an FM antenna signal, and a TV antenna signal is located in a proximity of a connection end of the at least one decoupling element,

at least one further FM/TV antenna signal decoupling is provided that is galvanically linked to the heating conductor field, and to a busbar situated at a distance from a connection end of the at least one decoupling element,

a distance of the at least one decoupling element to one of the heating conductors is selected to be so close that a capacitive coupling with the heating conductor is ensured for FM/TV frequencies, and

the at least one decoupling element includes one of a straight-line conductor and a conductor loop.

22. (Currently Amended) ~~The window-integrated antenna as recited in Claim 10,~~ A window-integrated antenna in a vehicle, comprising:

a heating conductor field provided for at least one of FM reception, TV reception, and LMS reception; [[and]]

at least one decoupling element for at least the LMS reception, the at least one decoupling element including a high-frequency and non-galvanic connection to the heating conductor field, wherein the at least one decoupling element is situated in the heating conductor field between two adjacent heating conductors;

wherein:

a grounding point for decoupling at least one of an LMS antenna signal, an FM antenna signal, and a TV antenna signal is located in a proximity of a connection end of the at least one decoupling element,

at least one further FM/TV antenna signal decoupling is provided that is galvanically linked to the heating conductor field, and to a busbar situated at a distance from a connection end of the at least one decoupling element,

a distance of the at least one decoupling element to one of the heating conductors is selected to be so close that a capacitive coupling with the heating conductor is ensured for FM/TV frequencies, and

the at least one decoupling element includes one of a straight-line conductor and a conductor loop.